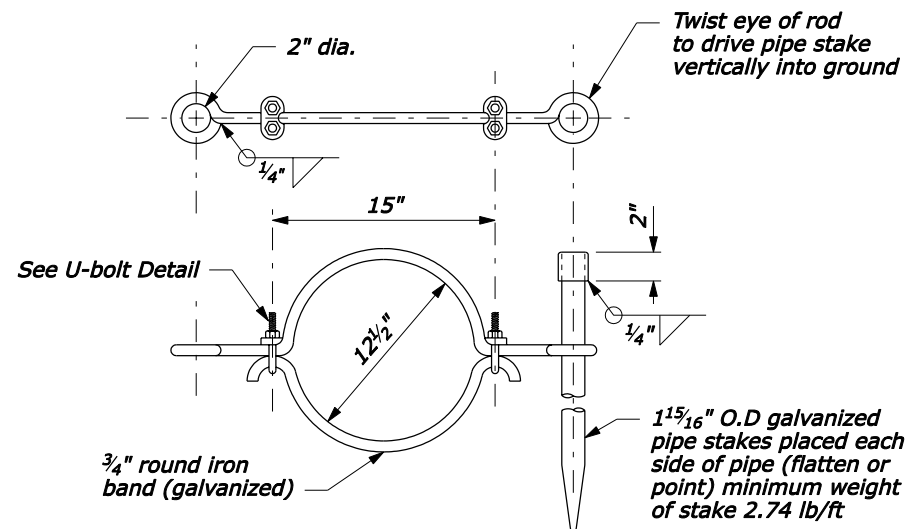
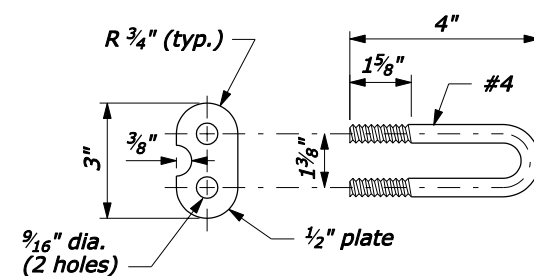


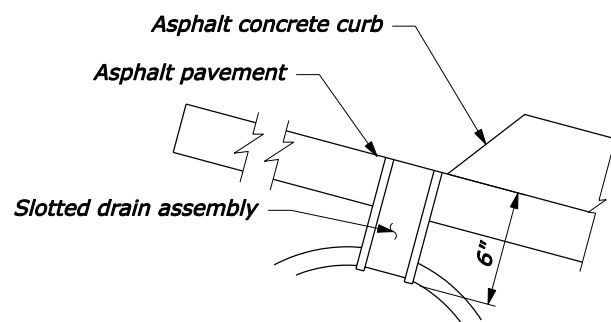
ALTERNATE 1



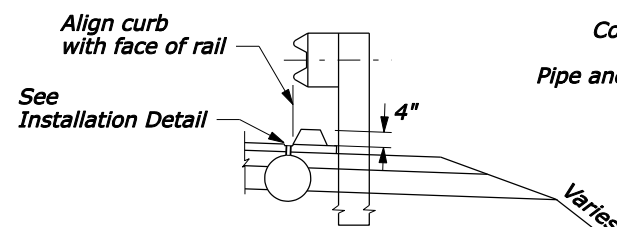
ALTERNATE 2



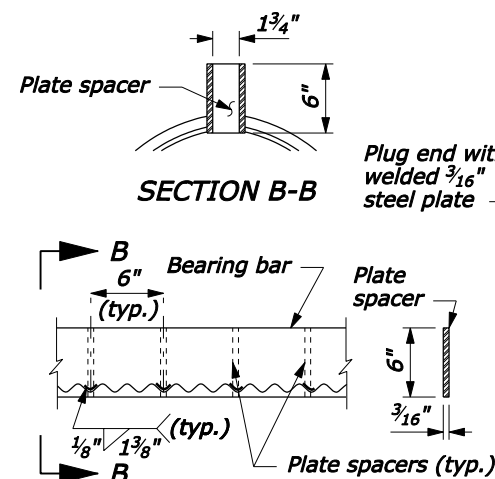
U-BOLT DETAIL



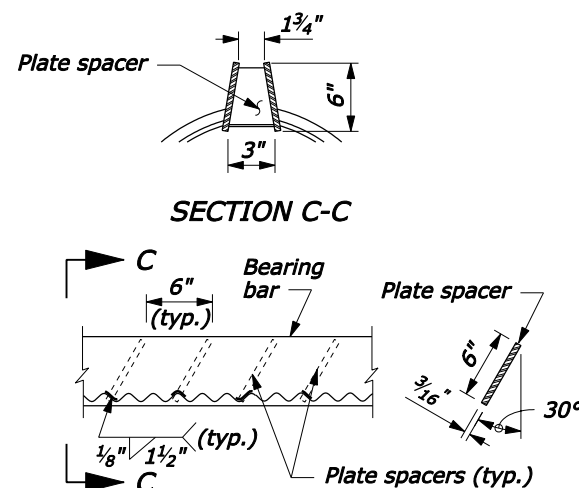
INSTALLATION DETAIL



TYPICAL PLACEMENT AT GUARDRAIL

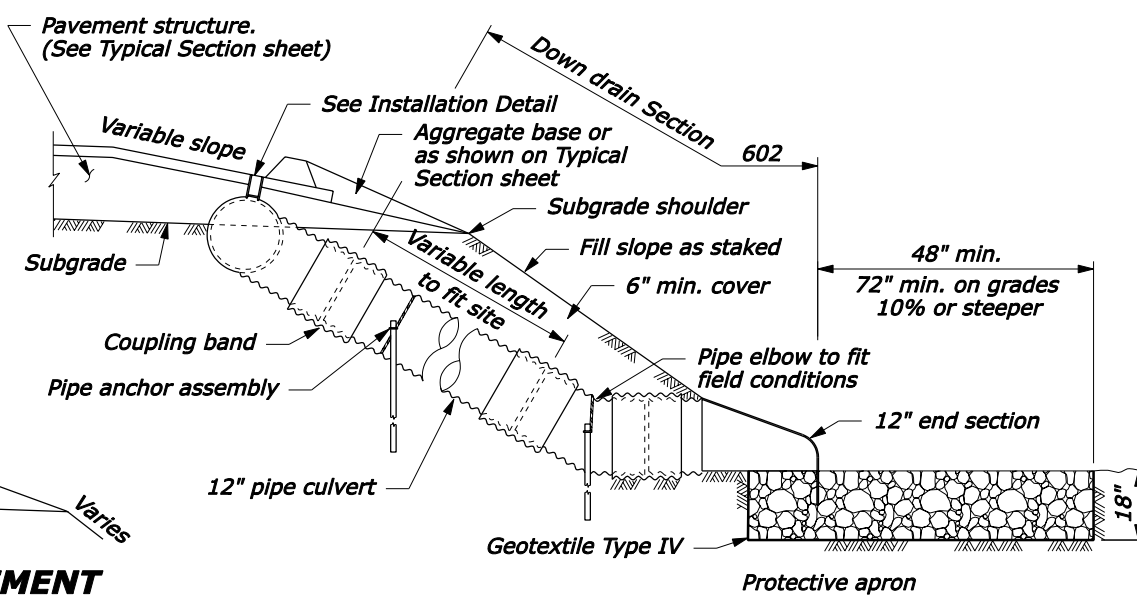


GRATE SLOT



ANGLE SLOT

SLOTTED DRAIN ASSEMBLY

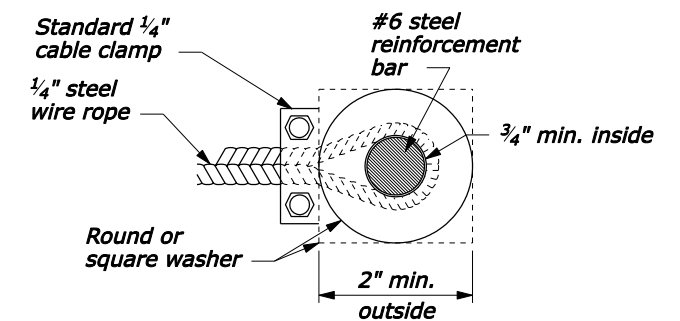


SECTION A-A

NO SCALE

NOTE:

1. Fabricate slotted drain pipe, down drain pipe culvert, elbows, end section, and coupling bands from sheets 1/16" thickness.
2. Grate slot assembly and plate end plug conform to AASHTO M 183.
3. Galvanize grate slot assembly, plate end plug, and all hardware according to AASHTO M 111.
4. Approved alternate pipe anchor assemblies may be used.
5. Place Class 2 riprap conforming to Section 251 for protective apron.
6. Place pipe anchor assemblies approximately 20 foot intervals along down drain pipe culvert. Place a minimum of 2 anchors per down drain.
7. For installations at sag vertical curves, use a tee connection instead of an elbow and a minimum of two 20 meter slotted drain pipe sections.
8. Make all band connections watertight by placing gaskets or O-rings under the bands before tightening in accordance with Subsection 712.03.
9. Use either the grate slot or the angle slot slotted drain assembly.



DETAIL A

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

SLOTTED DRAIN
SPILLWAY ASSEMBLY

STANDARD APPROVED FOR USE 6/2005
REVISED:

STANDARD
606-1